

IDEA-0523-69  
Copy 6 of 16

30 JUN 1969

MEMORANDUM FOR THE RECORD

SUBJECT: System 20 Flight Tests

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1. The following is the result of two days of flight testing of the first production System 20. A total of eleven passes were flown using four F-106 interceptors.

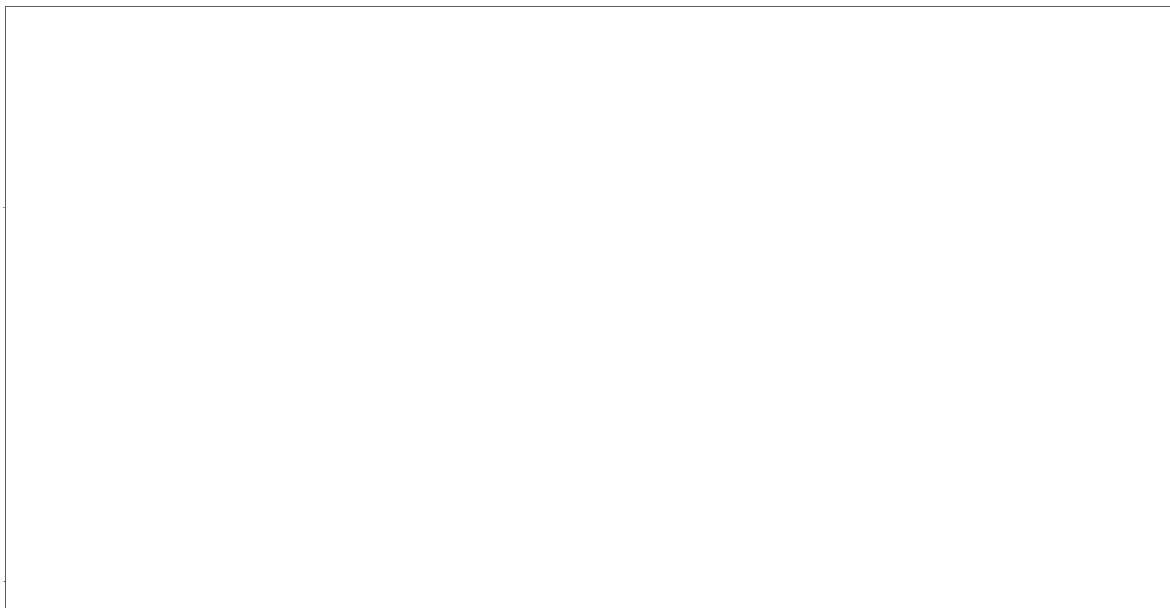
2. Dates of Test: 10 and 12 June 1969.

3. Test Vehicle: Article 053

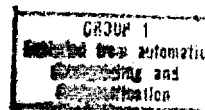
4. Data: Position tracking data from 27 A.D. at Phoenix, and System 20 data as recorded on the test vehicle.

5. Summary: The results from this flight test were very good.

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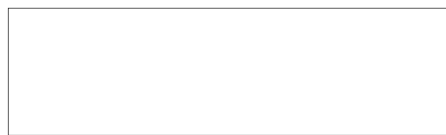
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IDEA-0523-69

Page 2

D. There were no false activations during either of the test days.

6. Two Attachments are included: Attachment 1 displays the radar position of the interceptor with respect to the test vehicle during each pass. This was plotted from the ground radar tracking data. Also included in attachment 1 is the System 20 angle read-out data at certain points along the radar track. Attachment 2 contains the course interception profiles. These were the instructions given to the interceptor and test vehicle pilots and to the radar GCI operators before the tests. The GCI operators used these as a basis for directing the interceptors during the tests.



Avionics Officer, OSA

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Attachments - 2

- 1 - Radar Position of Interceptor
- 2 - Course Interception Profiles

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IDEA-0523-69  
Page 3

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